

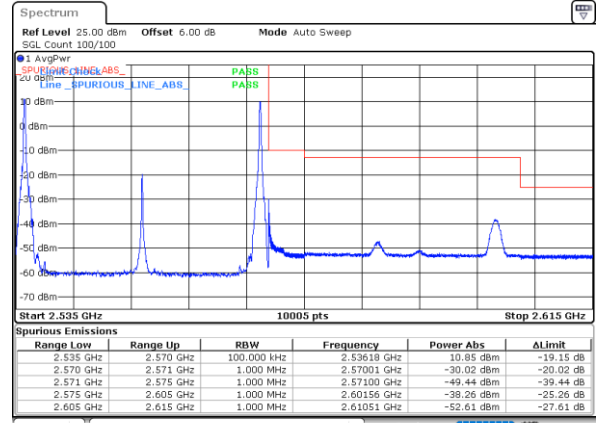
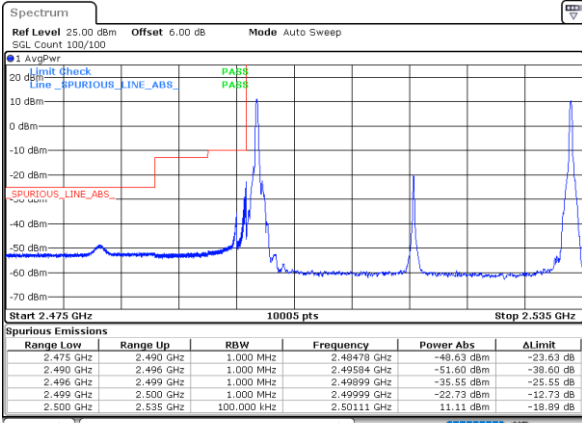


LTE Band 7 / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

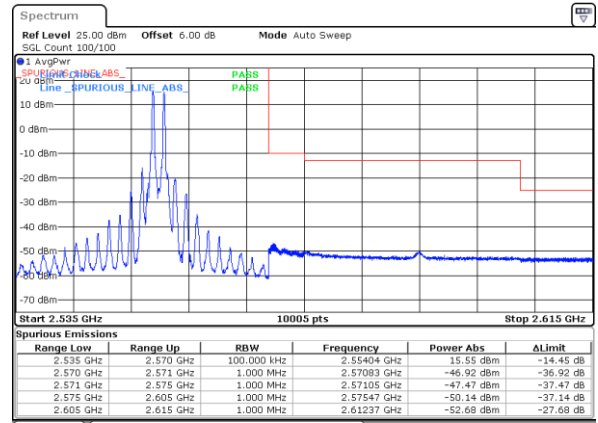
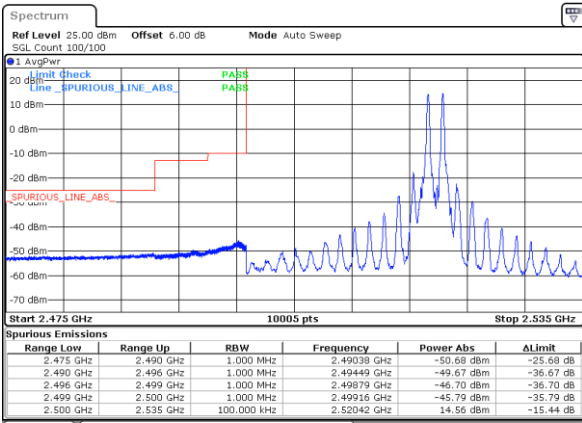


Date: 21.NOV.2022 13:46:17

Date: 21.NOV.2022 13:57:04

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

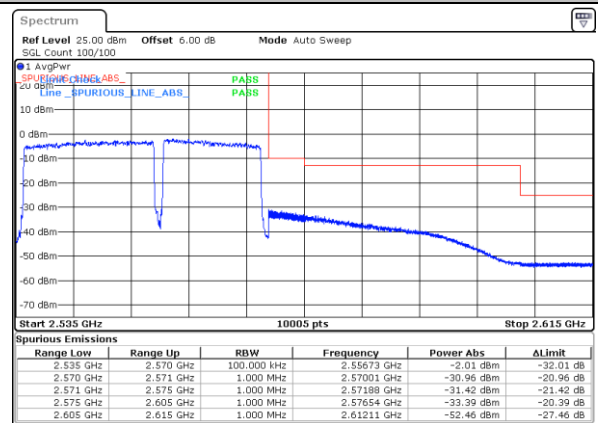
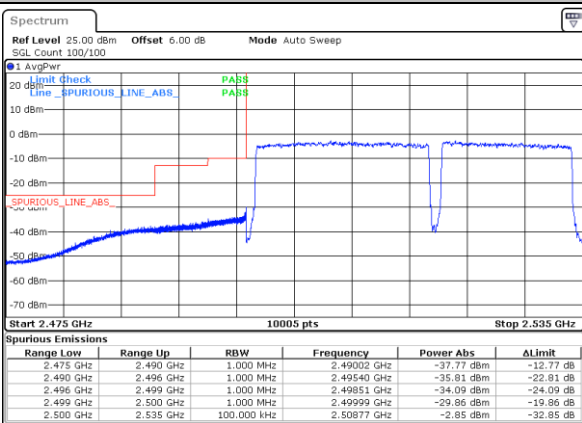


Date: 21.NOV.2022 13:45:52

Date: 21.NOV.2022 13:57:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2022 13:51:06

Date: 21.NOV.2022 13:51:56

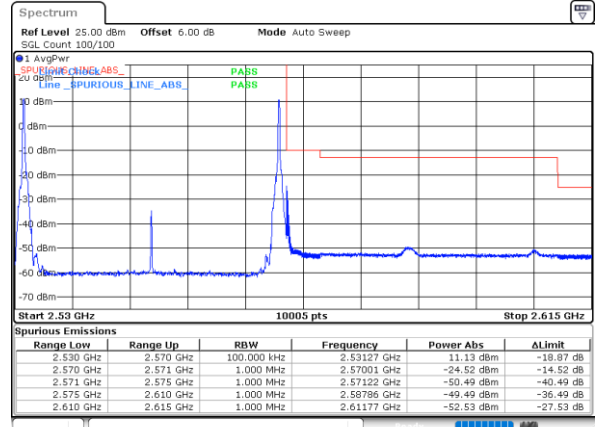
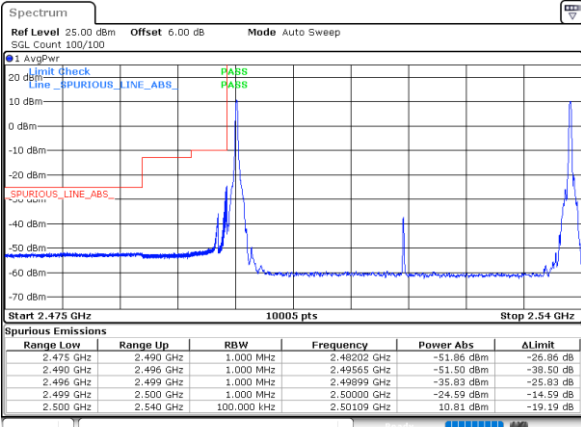


LTE Band 7 / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

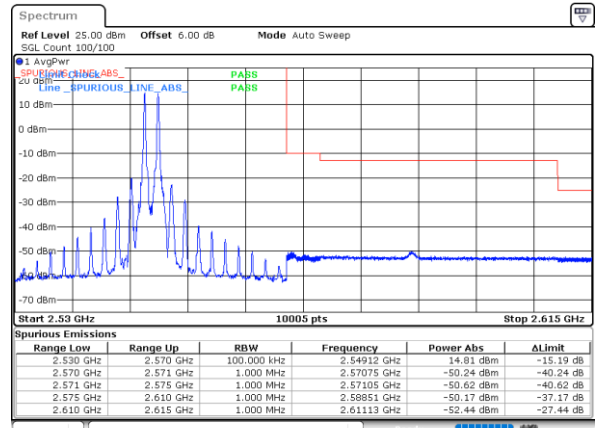
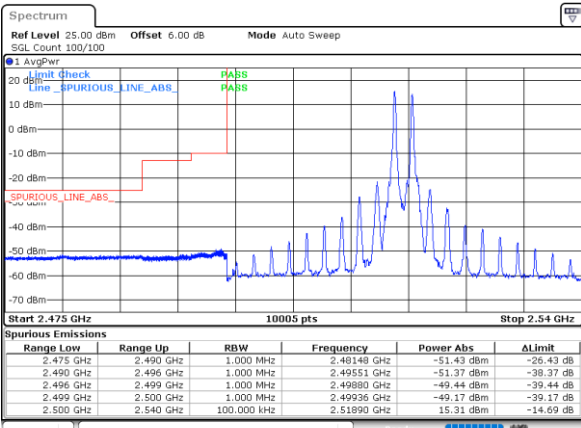


Date: 21.NOV.2022 14:45:10

Date: 21.NOV.2022 14:54:14

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

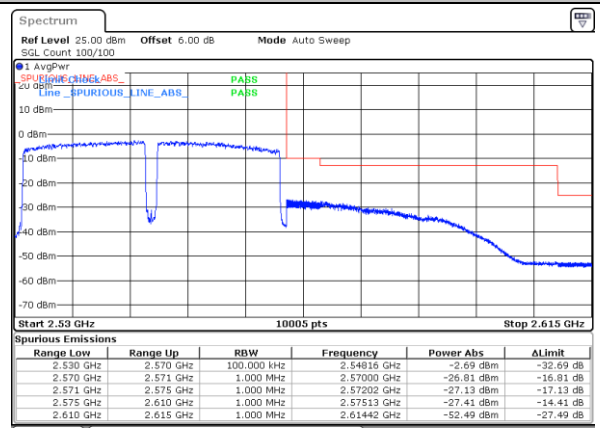
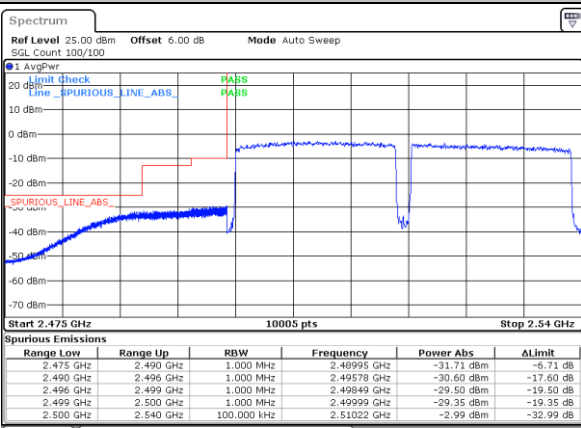


Date: 21.NOV.2022 14:44:58

Date: 21.NOV.2022 14:54:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2022 14:49:34

Date: 21.NOV.2022 14:50:24

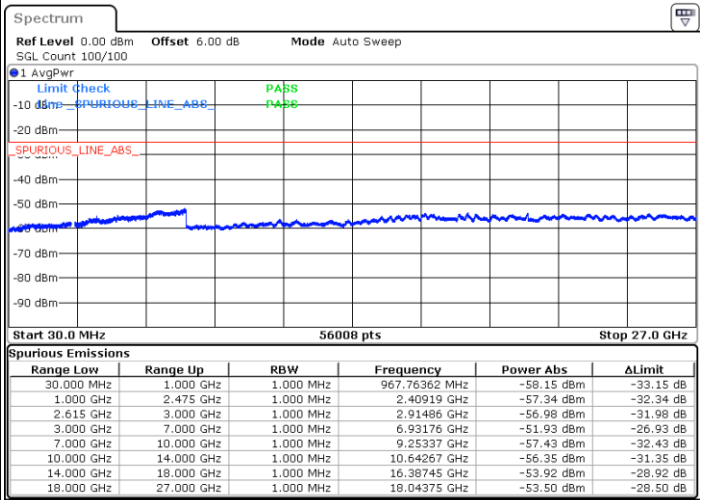
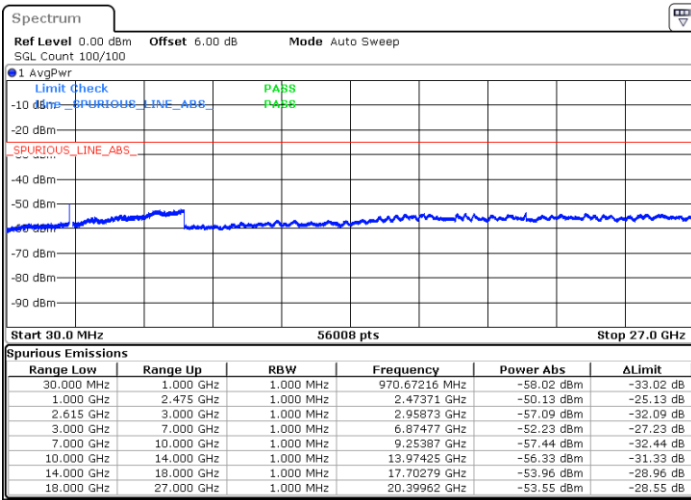


Conducted Spurious Emission

LTE Band 7 / 10MHz+20MHz

Lowest Channel / QPSK

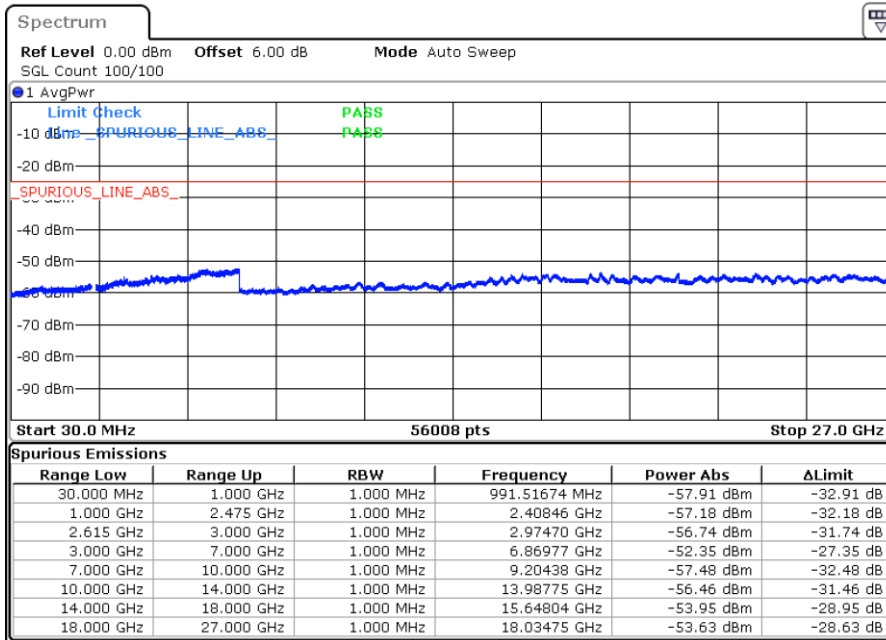
Middle Channel / QPSK



Date: 21.NOV.2022 11:20:08

Date: 21.NOV.2022 11:18:46

Highest Channel / QPSK



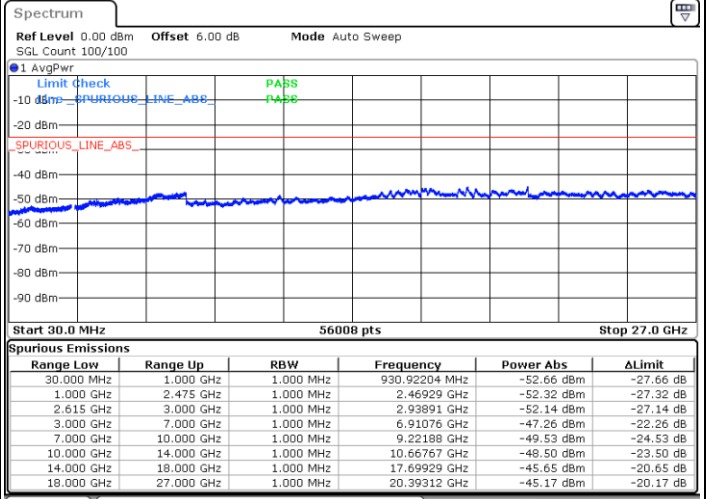
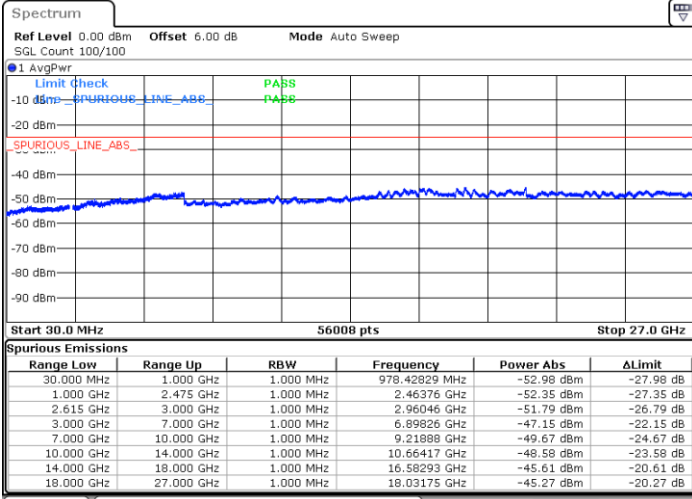
Date: 21.NOV.2022 11:17:07



LTE Band 7 / 15MHz+10MHz

Lowest Channel / QPSK

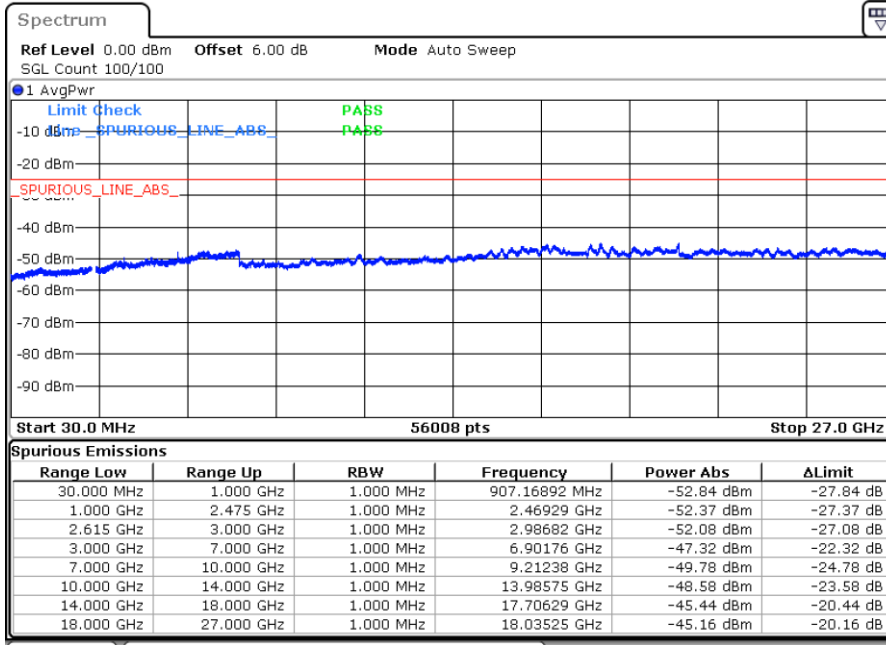
Middle Channel / QPSK



Date: 21.NOV.2022 15:34:01

Date: 21.NOV.2022 15:32:10

Highest Channel / QPSK



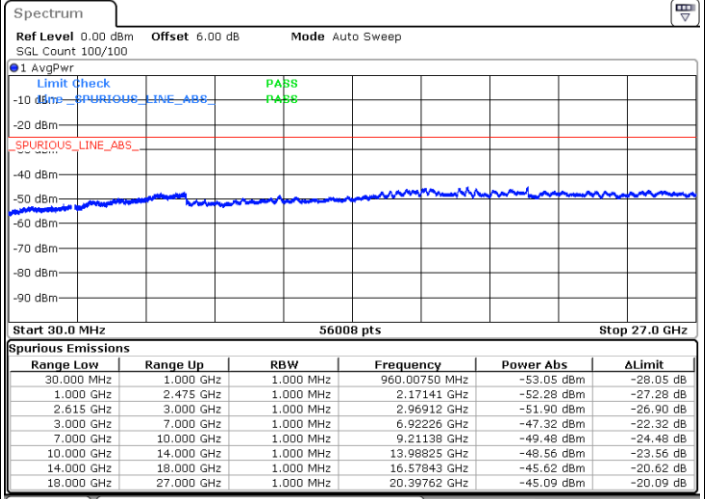
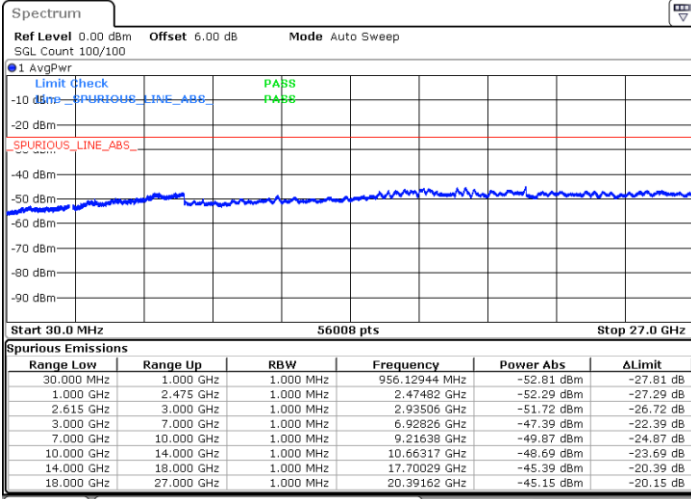
Date: 21.NOV.2022 15:30:38



LTE Band 7 / 15MHz+15MHz

Lowest Channel / QPSK

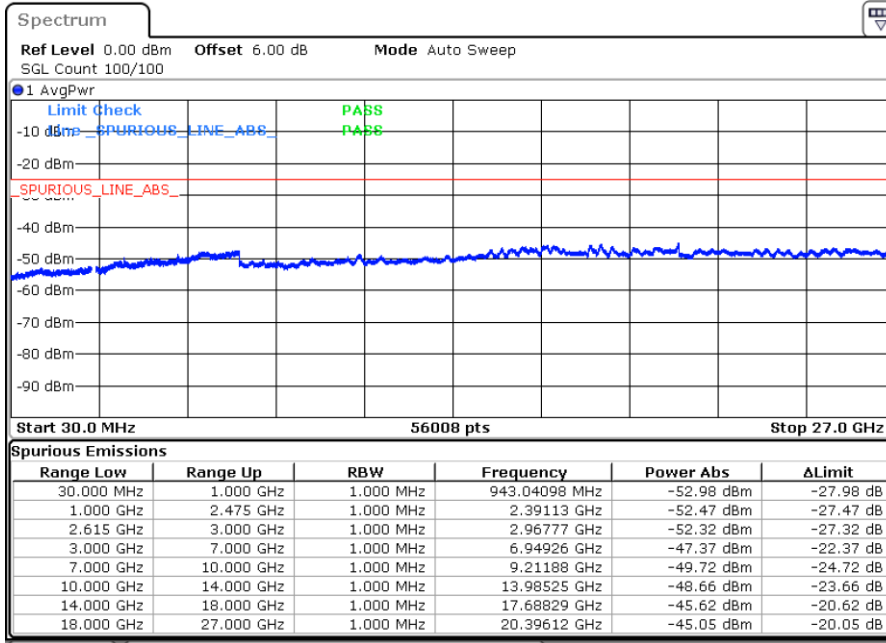
Middle Channel / QPSK



Date: 21.NOV.2022 13:19:23

Date: 21.NOV.2022 13:15:15

Highest Channel / QPSK



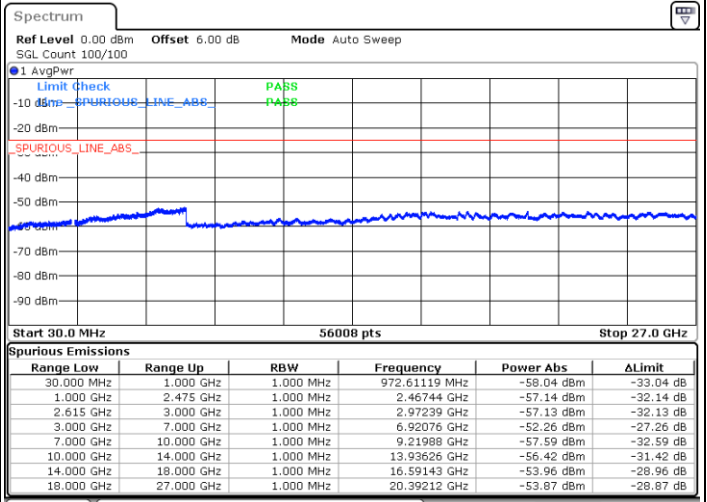
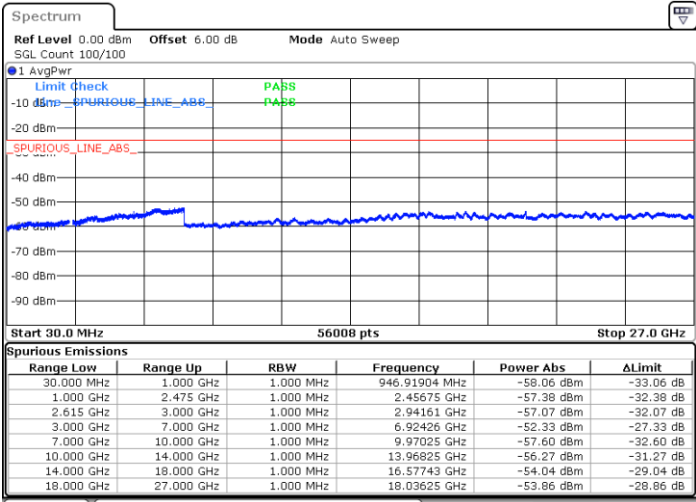
Date: 21.NOV.2022 13:13:26



LTE Band 7 / 15MHz+20MHz

Lowest Channel / QPSK

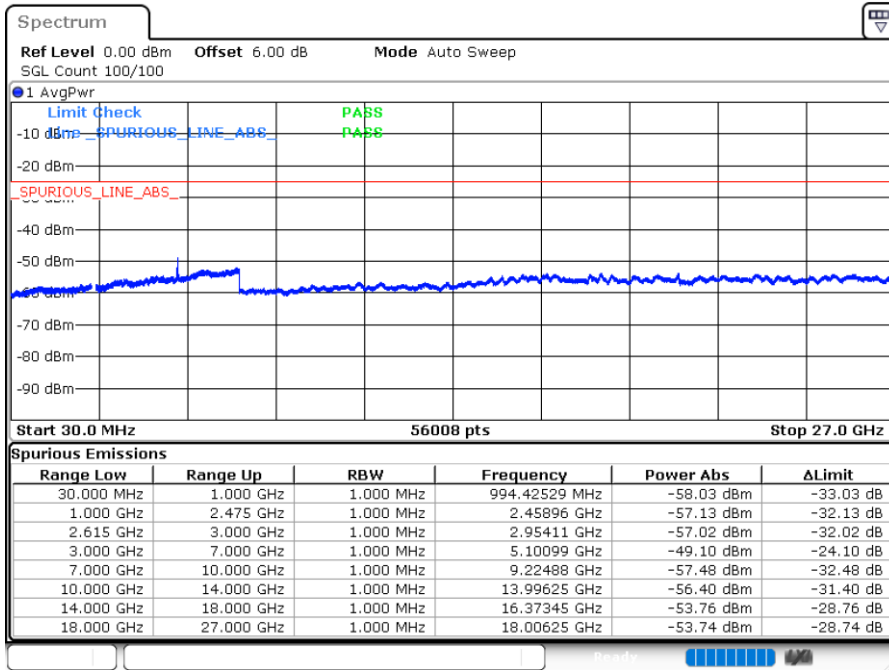
Middle Channel / QPSK



Date: 21.NOV.2022 13:41:47

Date: 21.NOV.2022 13:39:37

Highest Channel / QPSK



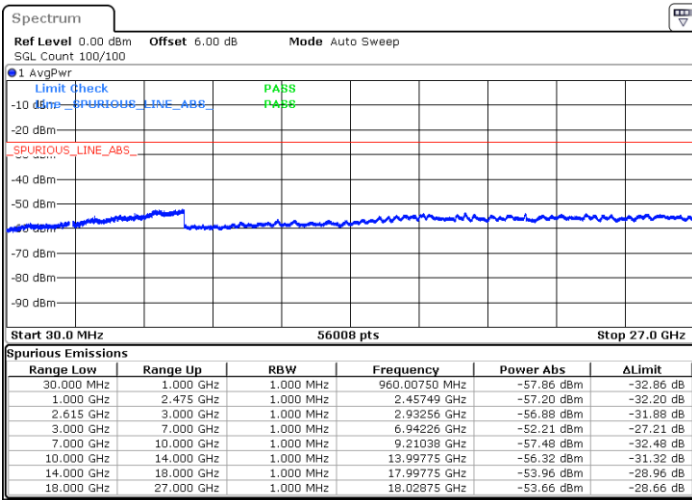
Date: 21.NOV.2022 13:38:02



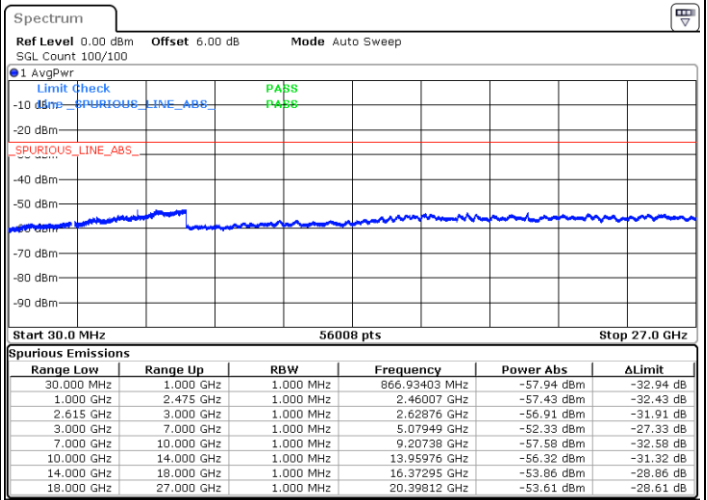
LTE Band 7 / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

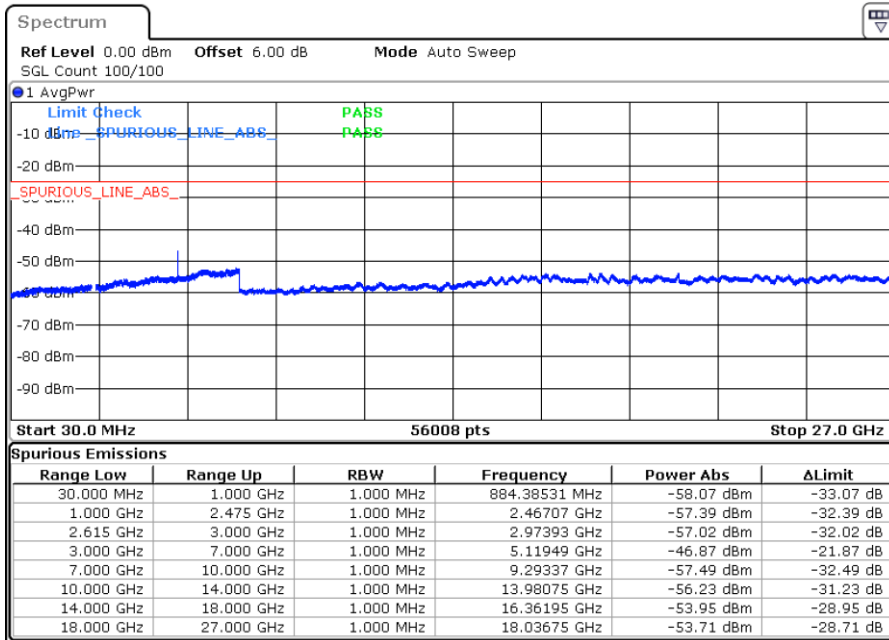


Date: 21.NOV.2022 11:49:22



Date: 21.NOV.2022 11:47:57

Highest Channel / QPSK



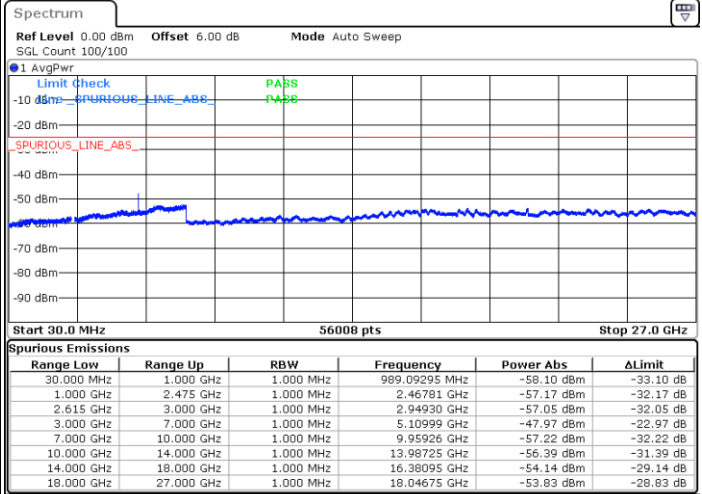
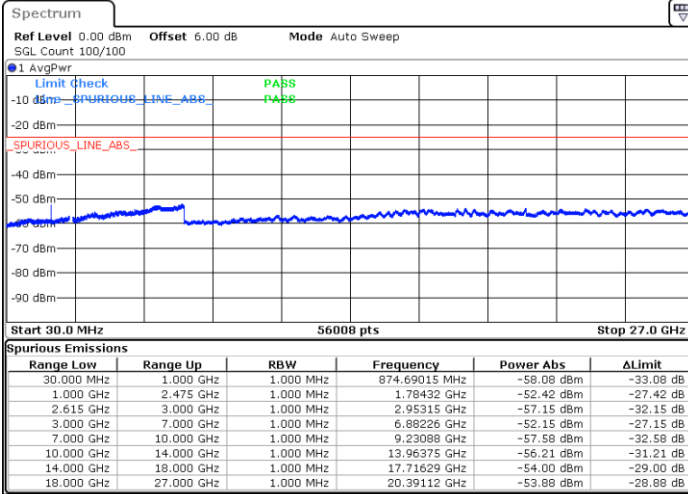
Date: 21.NOV.2022 11:46:27



LTE Band 7 / 20MHz+15MHz

Lowest Channel / QPSK

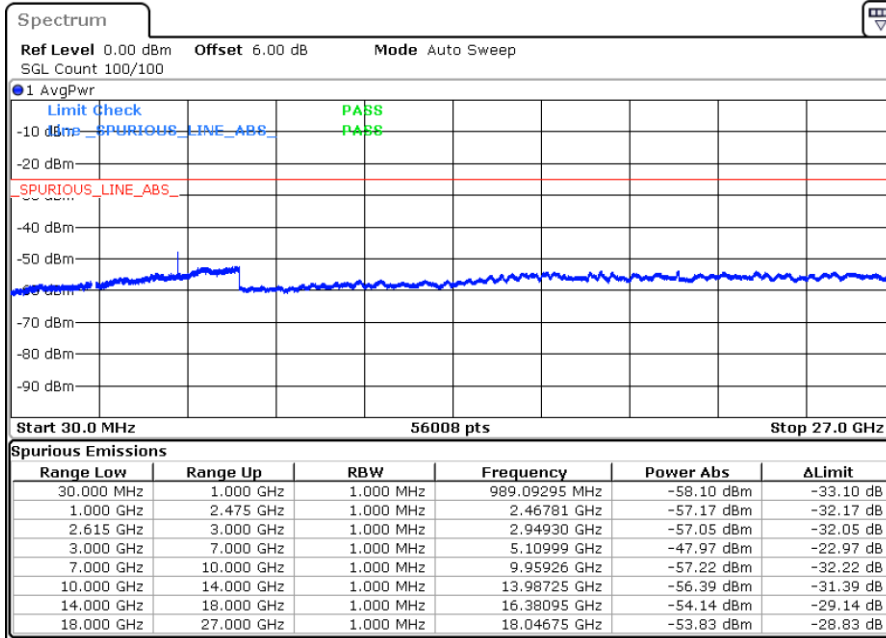
Middle Channel / QPSK



Date: 21.NOV.2022 14:03:32

Date: 21.NOV.2022 14:00:51

Highest Channel / QPSK



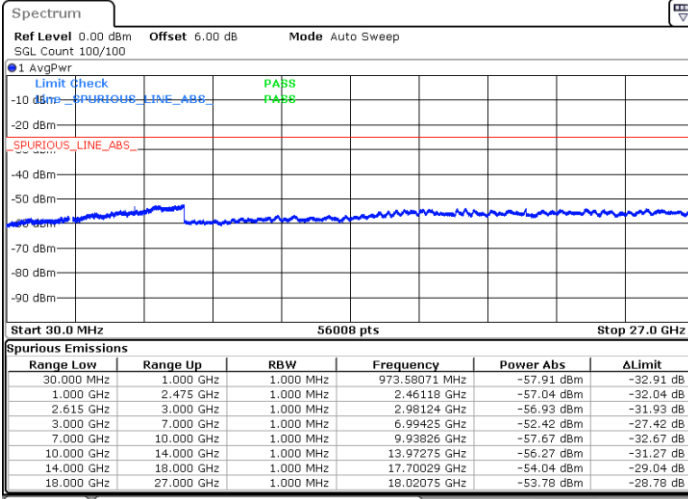
Date: 21.NOV.2022 14:00:51



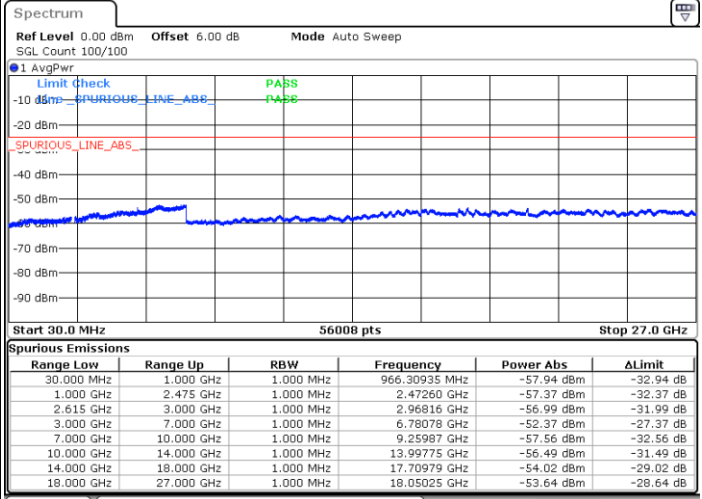
LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

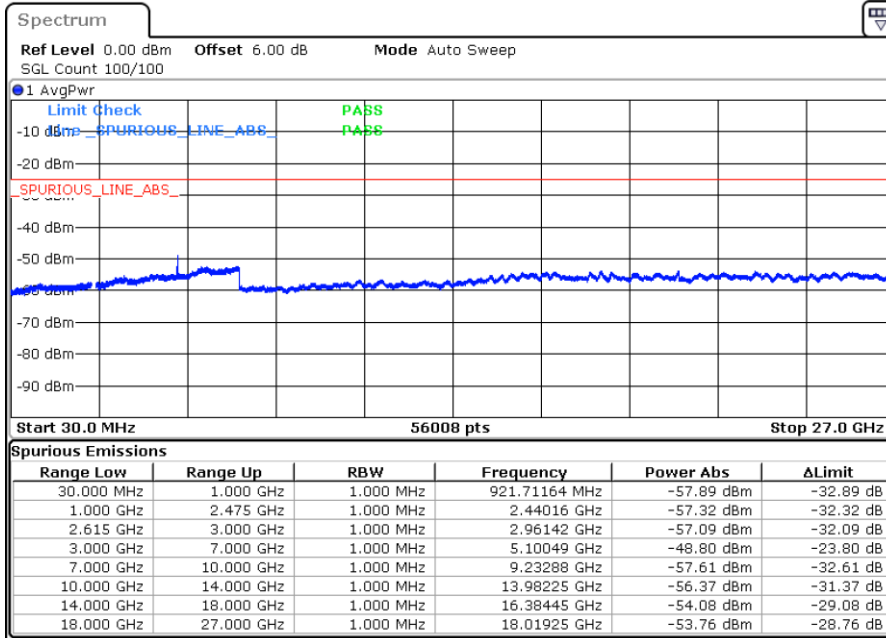


Date: 21.NOV.2022 15:01:13



Date: 21.NOV.2022 14:59:34

Highest Channel / QPSK



Date: 21.NOV.2022 14:57:57



Frequency Stability

Test Conditions		LTE Band 7C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0036	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

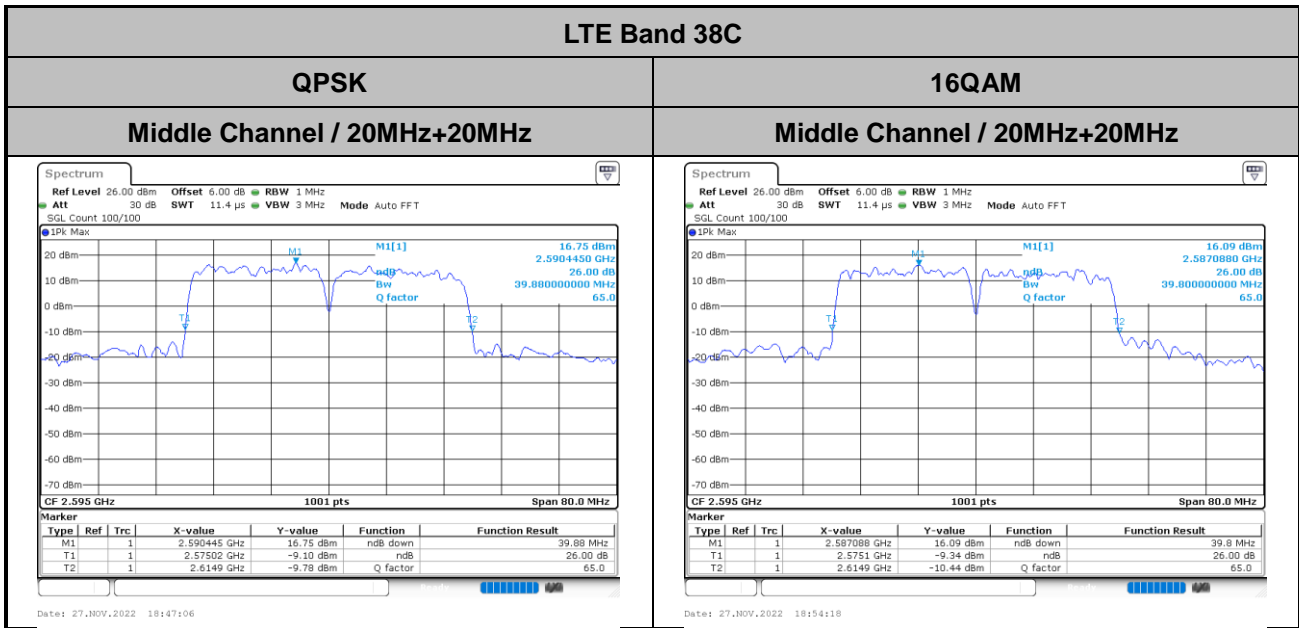
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.7V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38C

26dB Bandwidth

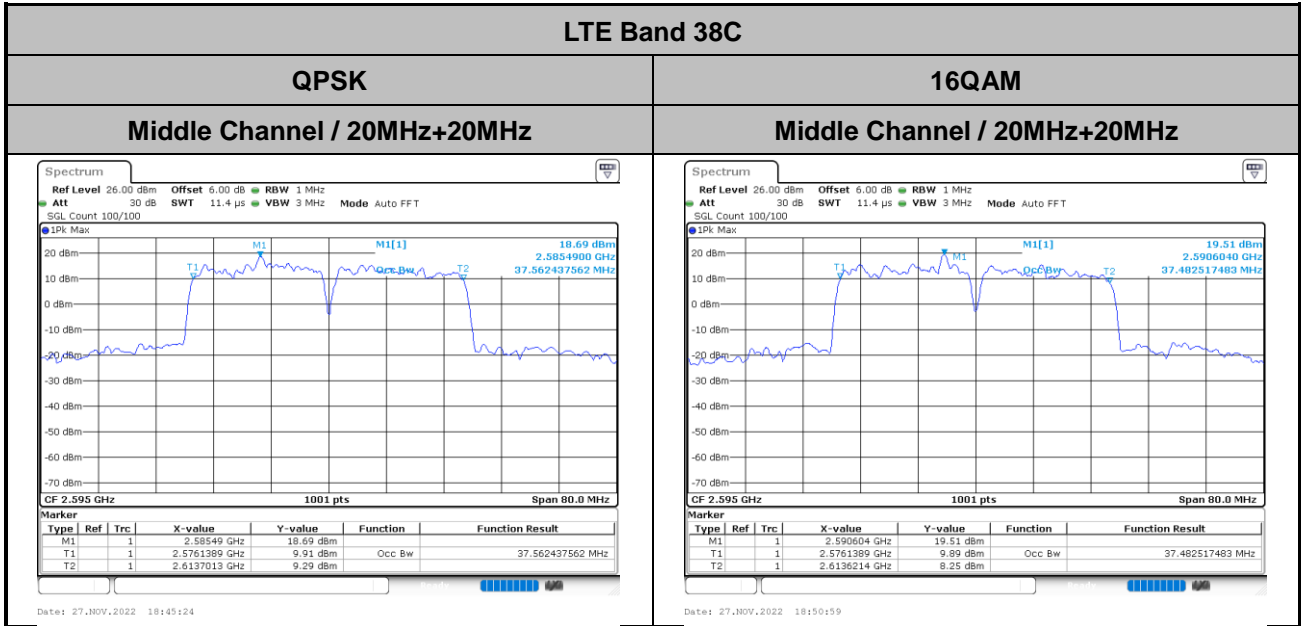
Mode	LTE Band 38C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.88	39.80





Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.56	37.48

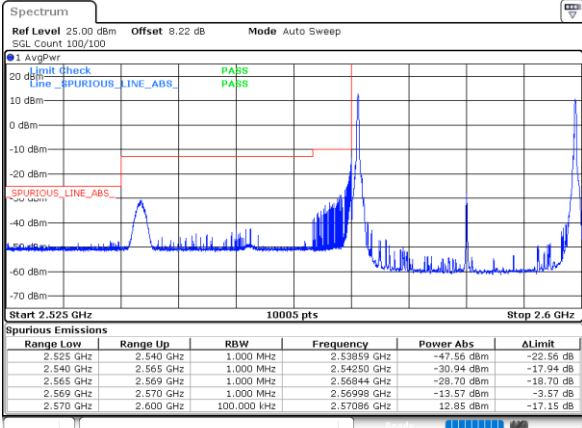




Conducted Band Edge

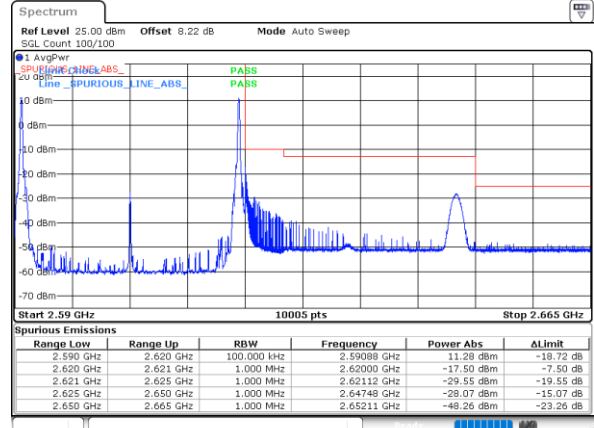
LTE Band 38C / 15MHz+15MHz QPSK

Lowest Band Edge / 1RB0 and 1RB74



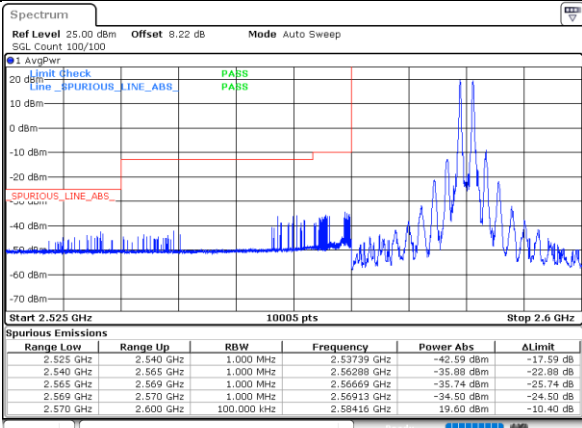
Date: 27.NOV.2022 17:50:55

Highest Band Edge / 1RB0 and 1RB74



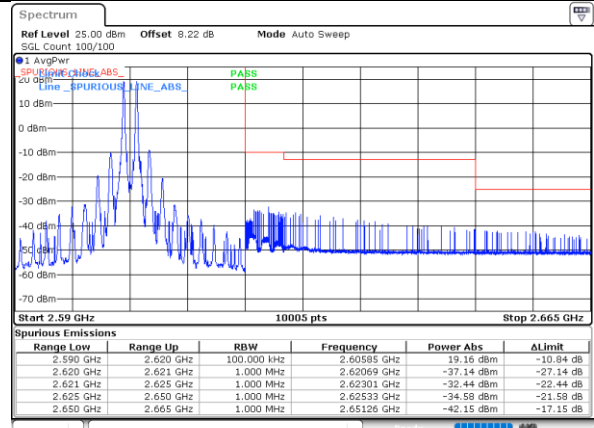
Date: 27.NOV.2022 17:59:21

Lowest Band Edge / 1RB74 and 1RB0



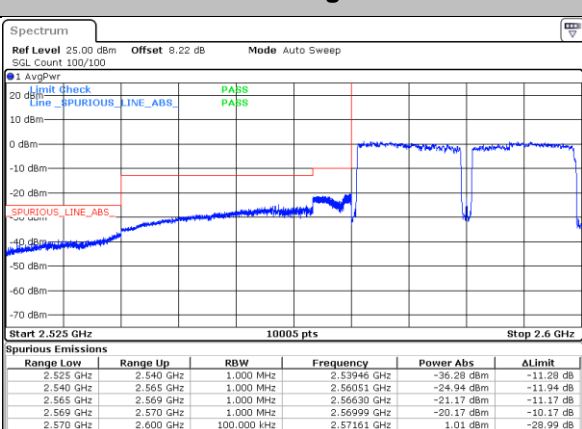
Date: 27.NOV.2022 17:43:29

Highest Band Edge / 1RB74 and 1RB0



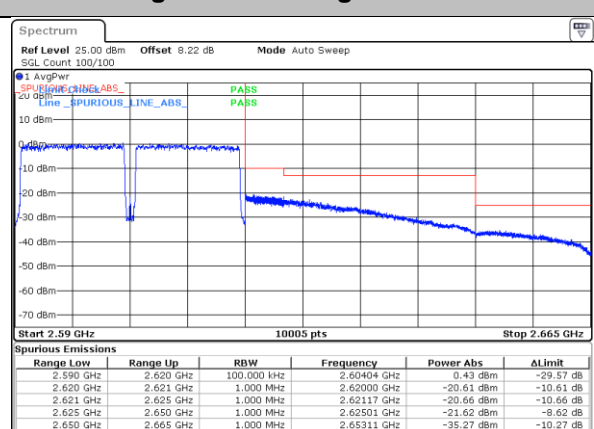
Date: 27.NOV.2022 18:04:46

Lowest Band Edge / Full RB



Date: 27.NOV.2022 17:52:14

Highest Band Edge / Full RB



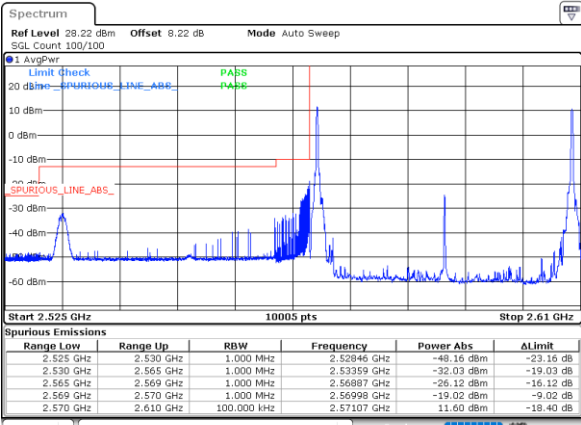
Date: 27.NOV.2022 17:57:54



LTE Band 38C / 20MHz+20MHz

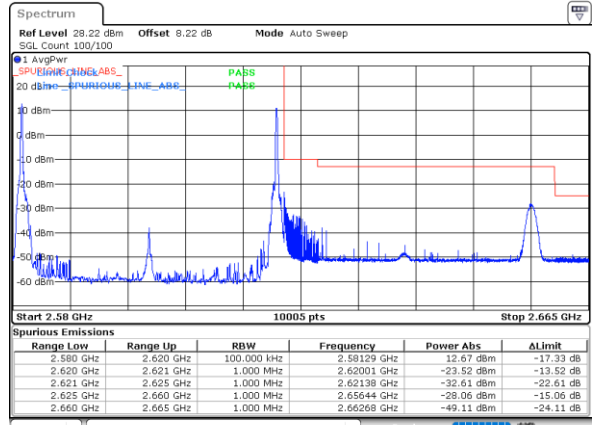
QPSK

Lowest Band Edge / 1RB0 and 1RB9



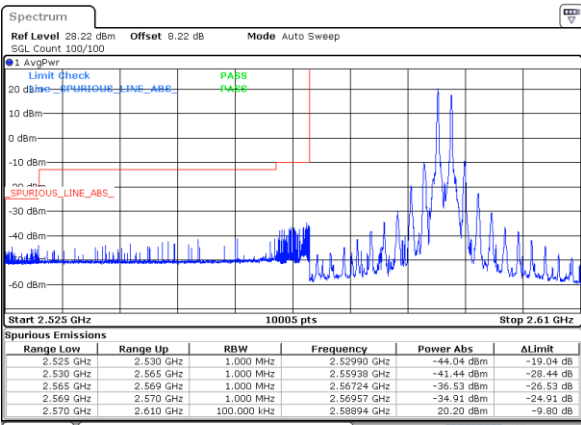
Date: 27.NOV.2022 18:18:43

Highest Band Edge / 1RB0 and 1RB9



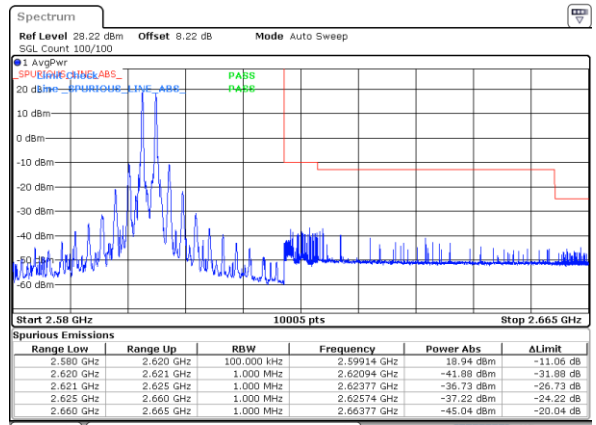
Date: 27.NOV.2022 18:30:07

Lowest Band Edge / 1RB99 and 1RB0



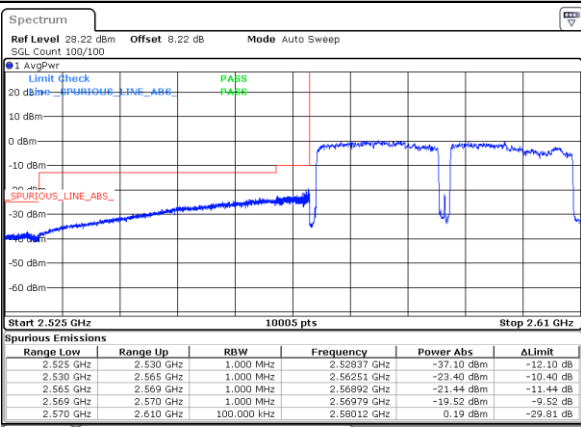
Date: 27.NOV.2022 18:12:46

Highest Band Edge / 1RB99 and 1RB0



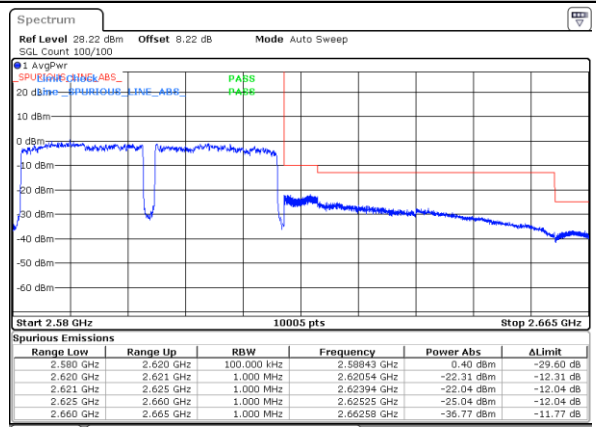
Date: 27.NOV.2022 18:34:21

Lowest Band Edge / Full RB



Date: 27.NOV.2022 18:19:38

Highest Band Edge / Full RB



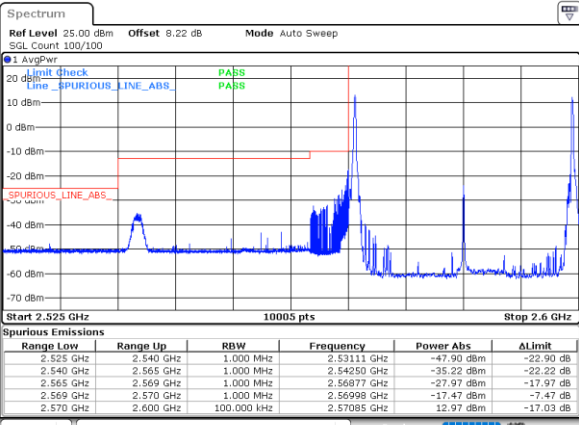
Date: 27.NOV.2022 18:26:13



LTE Band 38C / 15MHz+15MHz

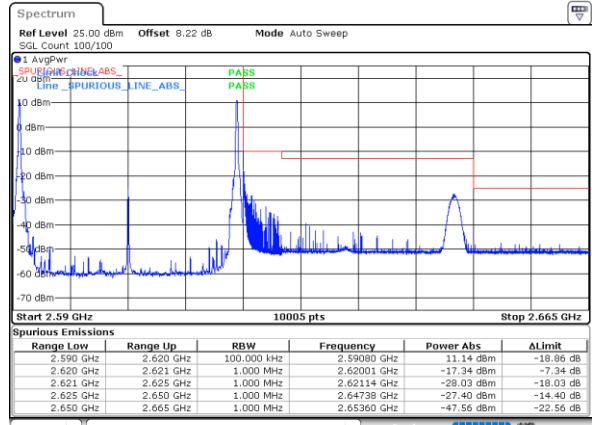
16QAM

Lowest Band Edge / 1RB0 and 1RB74



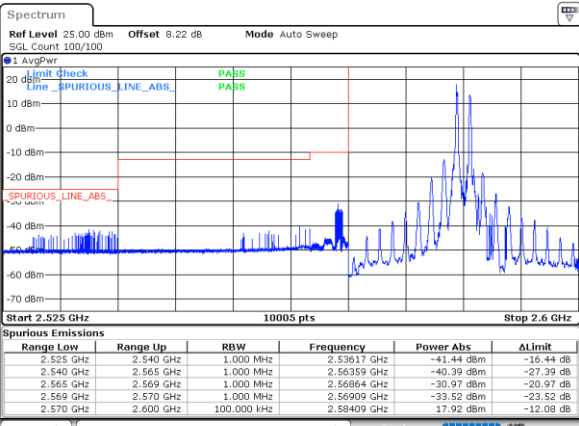
Date: 27.NOV.2022 17:49:49

Highest Band Edge / 1RB0 and 1RB74



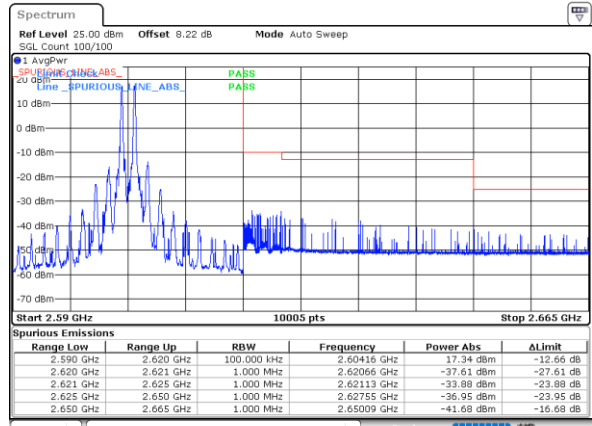
Date: 27.NOV.2022 18:00:12

Lowest Band Edge / 1RB74 and 1RB0



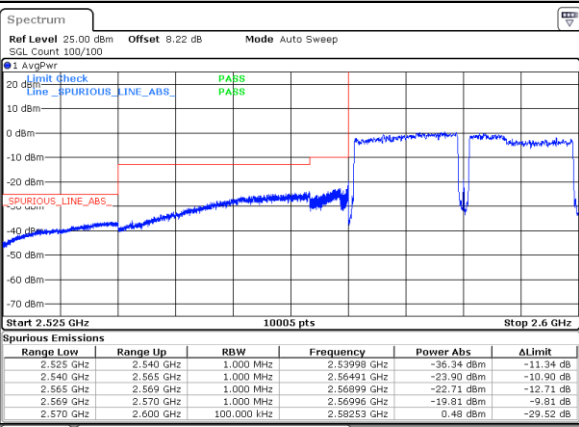
Date: 27.NOV.2022 17:45:47

Highest Band Edge / 1RB74 and 1RB0



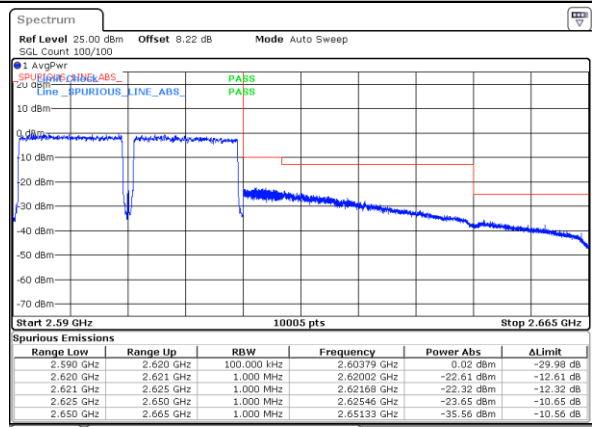
Date: 27.NOV.2022 18:03:17

Lowest Band Edge / Full RB



Date: 27.NOV.2022 17:53:07

Highest Band Edge / Full RB



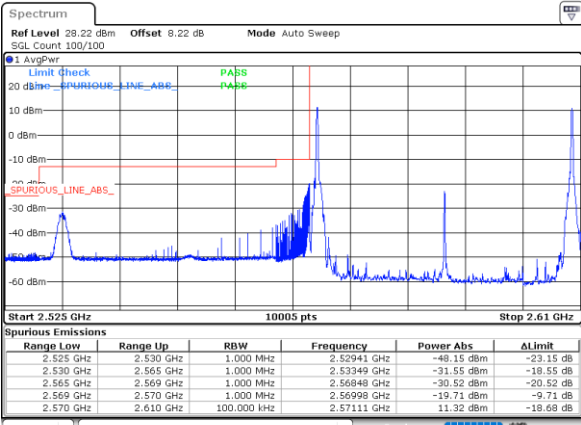
Date: 27.NOV.2022 17:56:44



LTE Band 38C / 20MHz+20MHz

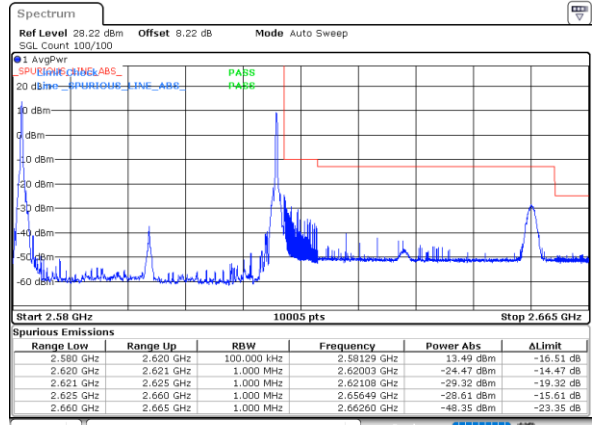
16QAM

Lowest Band Edge / 1RB0 and 1RB9



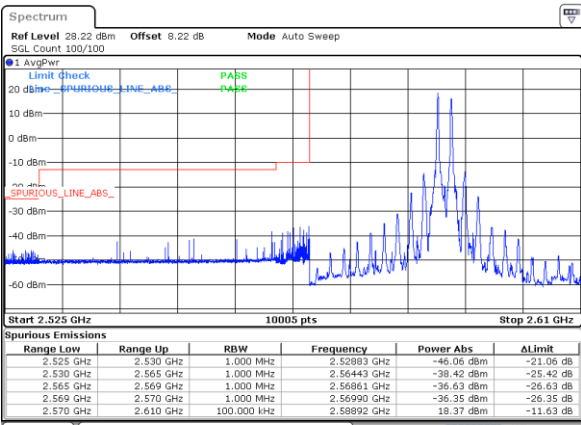
Date: 27.NOV.2022 18:17:29

Highest Band Edge / 1RB0 and 1RB9



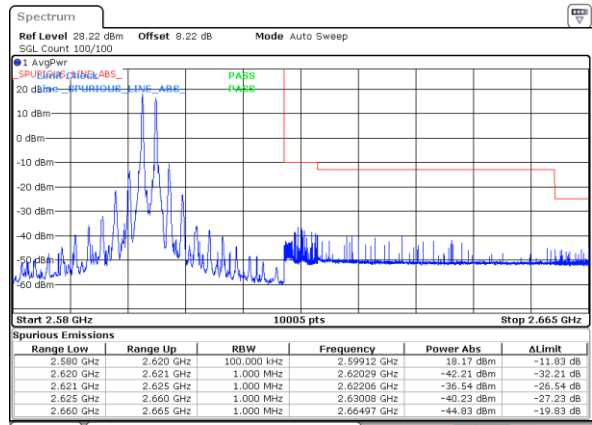
Date: 27.NOV.2022 18:30:54

Lowest Band Edge / 1RB99 and 1RB0



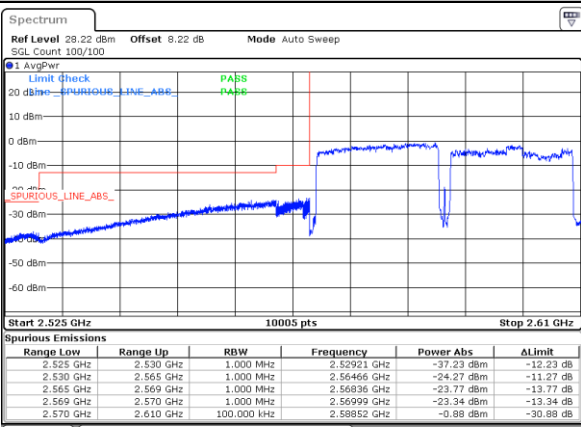
Date: 27.NOV.2022 18:14:05

Highest Band Edge / 1RB99 and 1RB0



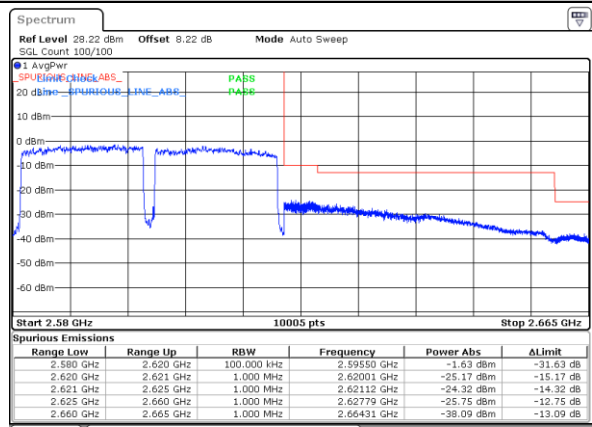
Date: 27.NOV.2022 18:33:22

Lowest Band Edge / Full RB



Date: 27.NOV.2022 18:20:23

Highest Band Edge / Full RB



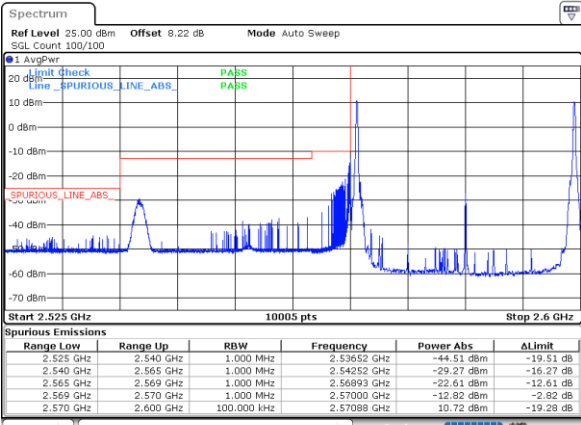
Date: 27.NOV.2022 18:24:46



LTE Band 38C / 15MHz+15MHz

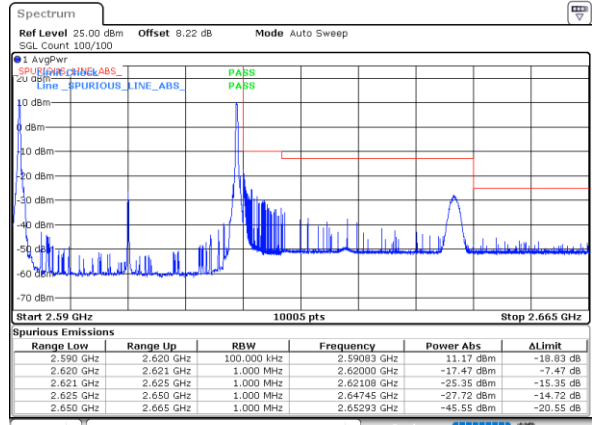
64QAM

Lowest Band Edge / 1RB0 and 1RB74



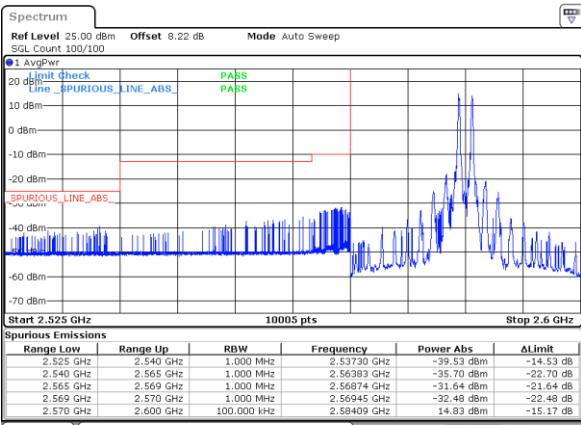
Date: 27.NOV.2022 17:48:21

Highest Band Edge / 1RB0 and 1RB74



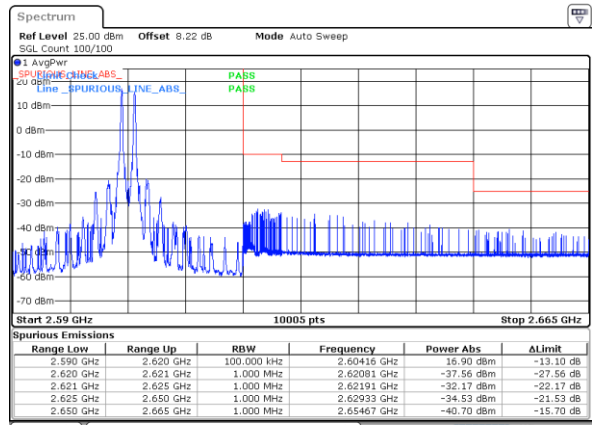
Date: 27.NOV.2022 18:01:01

Lowest Band Edge / 1RB74 and 1RB0



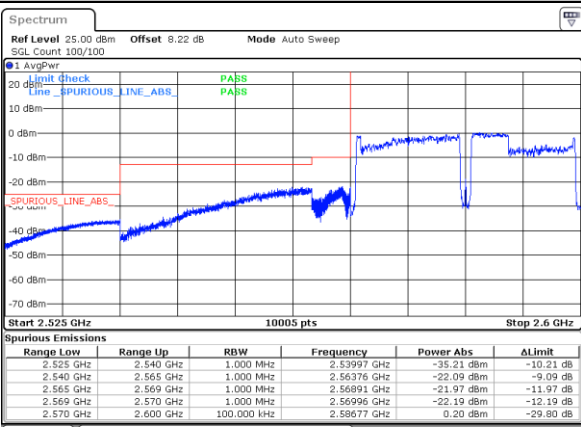
Date: 27.NOV.2022 17:46:47

Highest Band Edge / 1RB74 and 1RB0



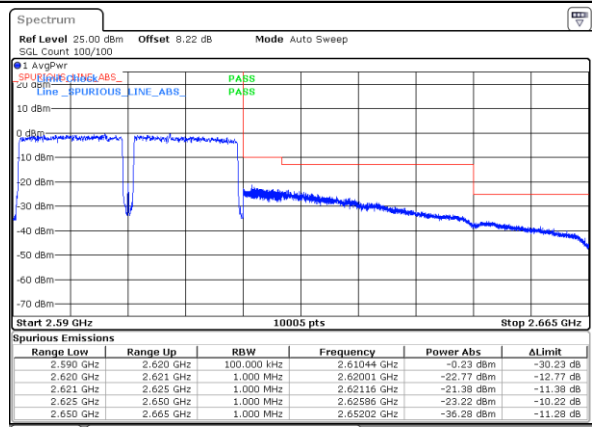
Date: 27.NOV.2022 18:02:24

Lowest Band Edge / Full RB



Date: 27.NOV.2022 17:54:26

Highest Band Edge / Full RB



Date: 27.NOV.2022 17:55:46

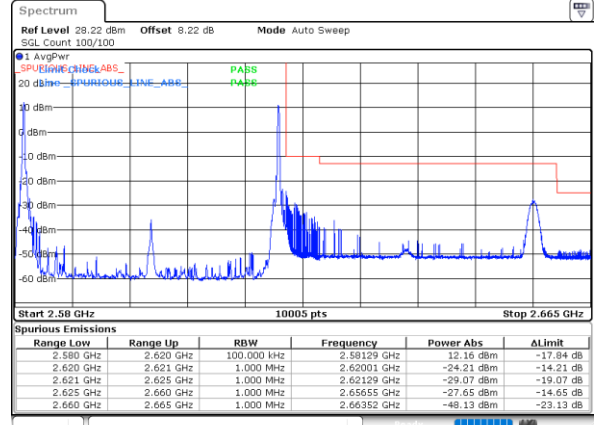
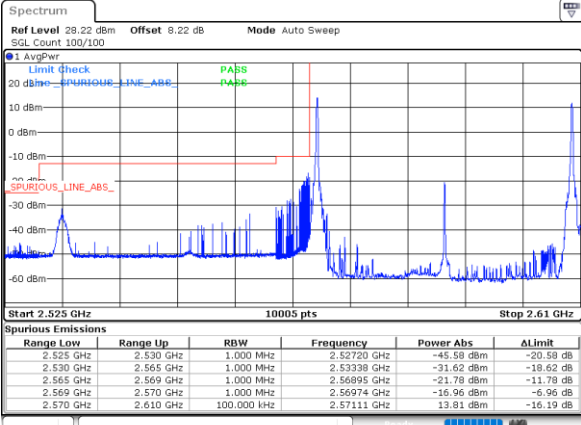


LTE Band 38C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

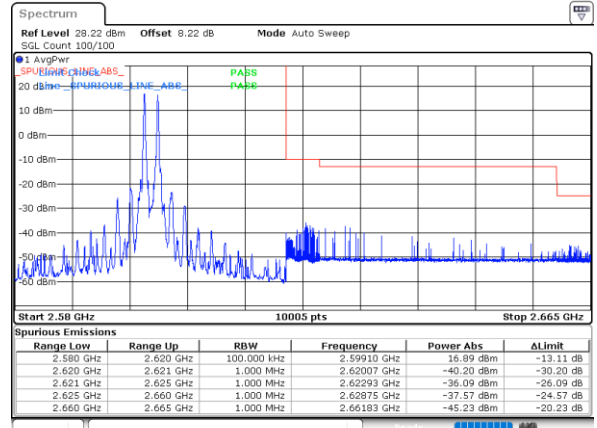
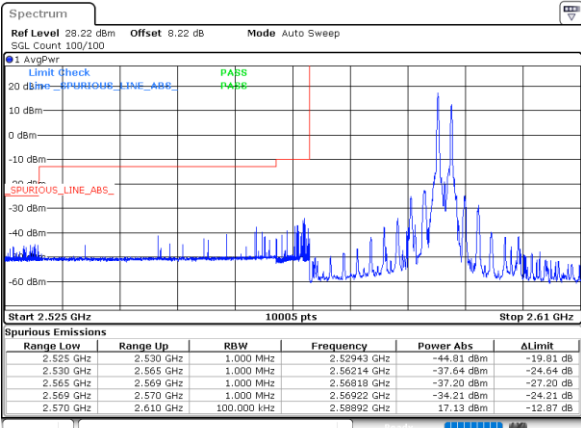


Date: 27.NOV.2022 18:16:33

Date: 27.NOV.2022 18:31:45

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

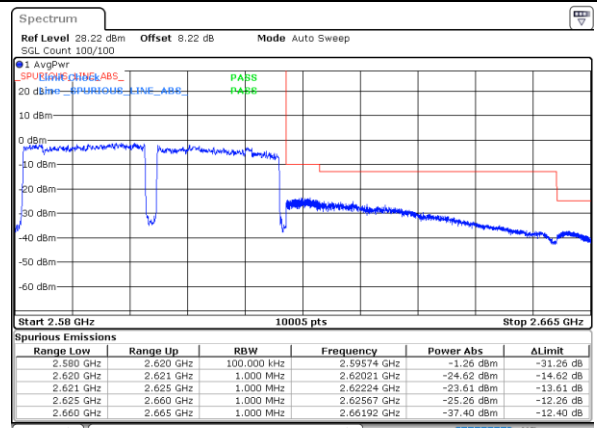
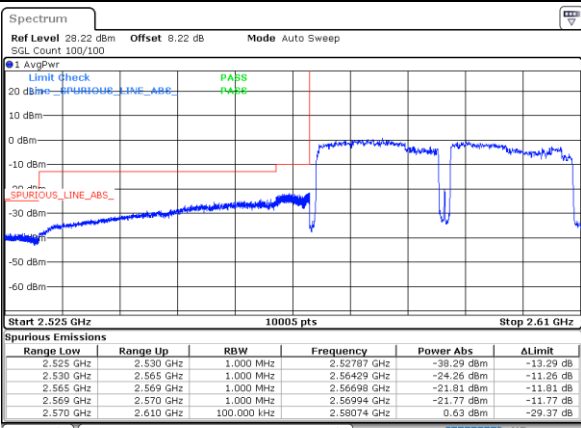


Date: 27.NOV.2022 18:14:59

Date: 27.NOV.2022 18:32:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.NOV.2022 18:21:30

Date: 27.NOV.2022 18:23:30



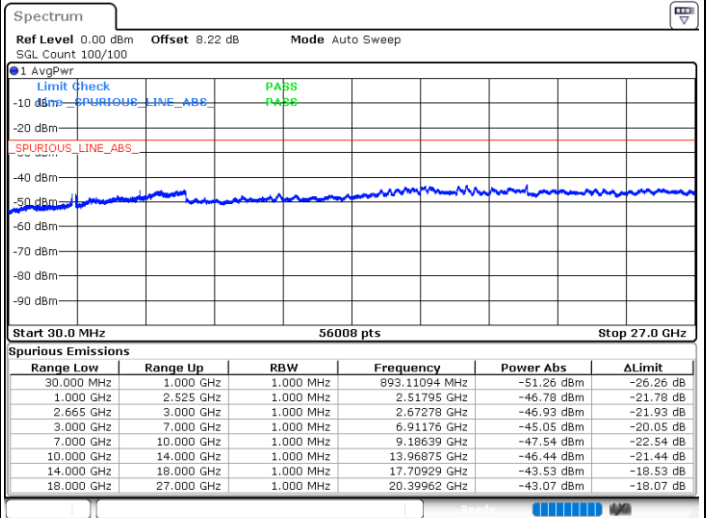
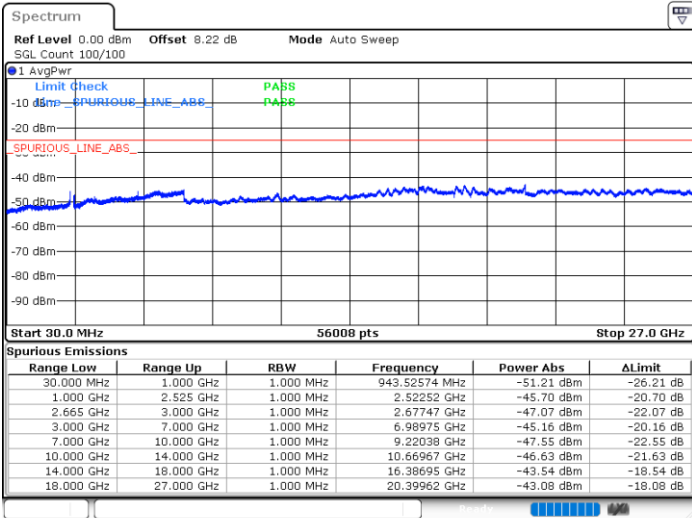
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

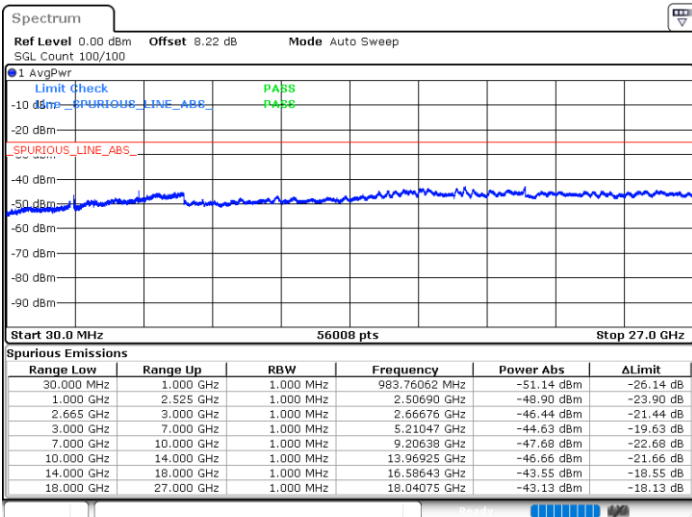


Date: 27.NOV.2022 18:10:54

Date: 27.NOV.2022 18:09:07

Highest Channel / 1RB74 and 1RB0

N/A



Date: 27.NOV.2022 18:07:20

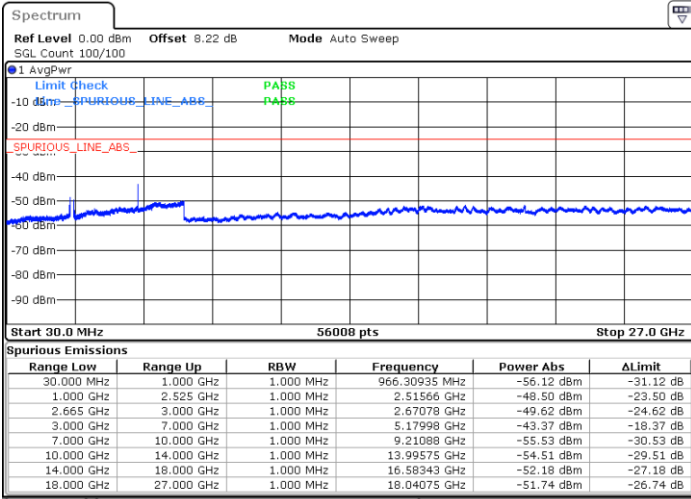


LTE Band 38C / 20MHz+20MHz

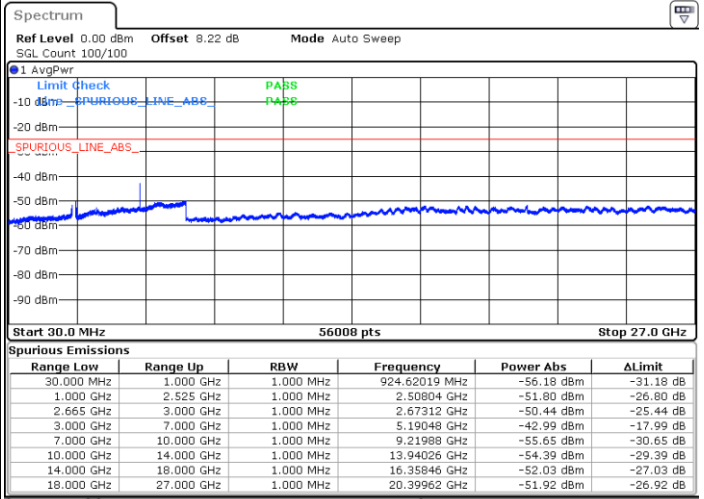
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



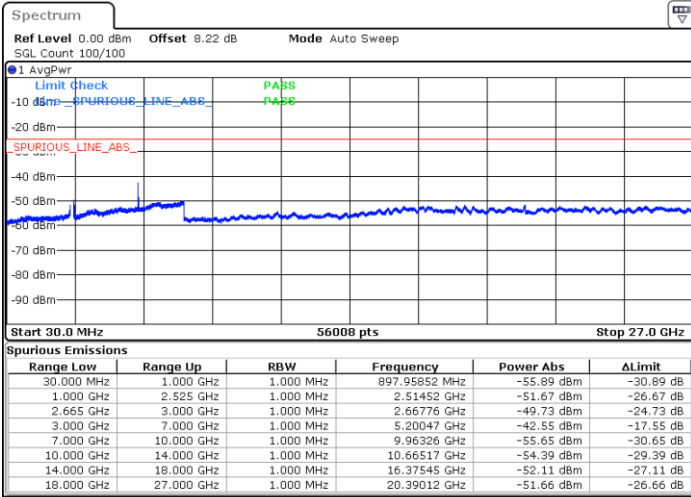
Date: 27.NOV.2022 18:39:15



Date: 27.NOV.2022 18:37:28

Highest Channel / 1RB99 and 1RB0

N/A



Date: 27.NOV.2022 18:36:08



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

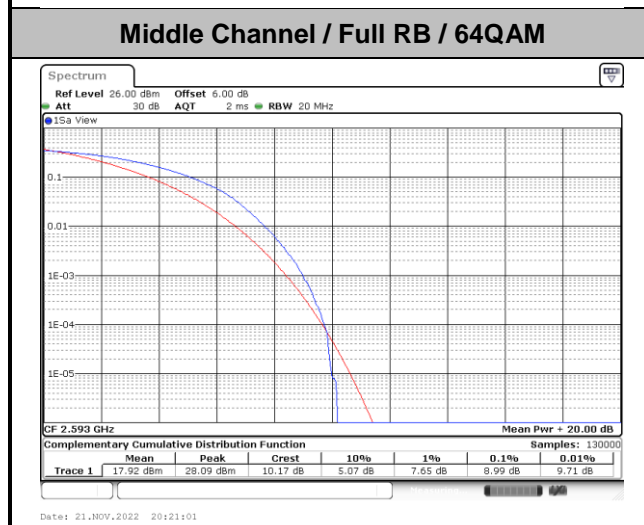
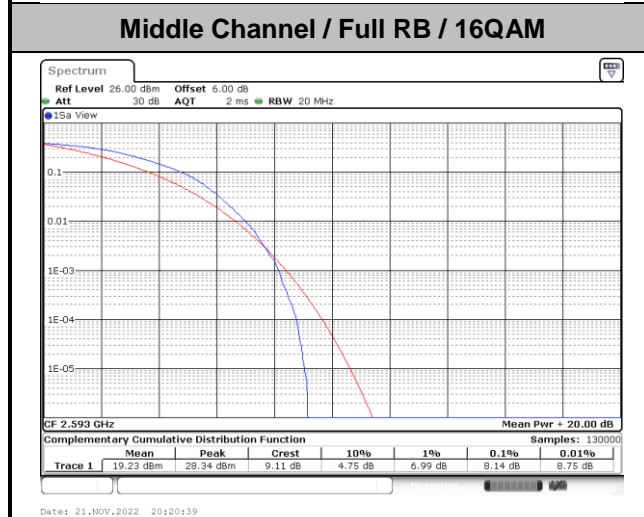
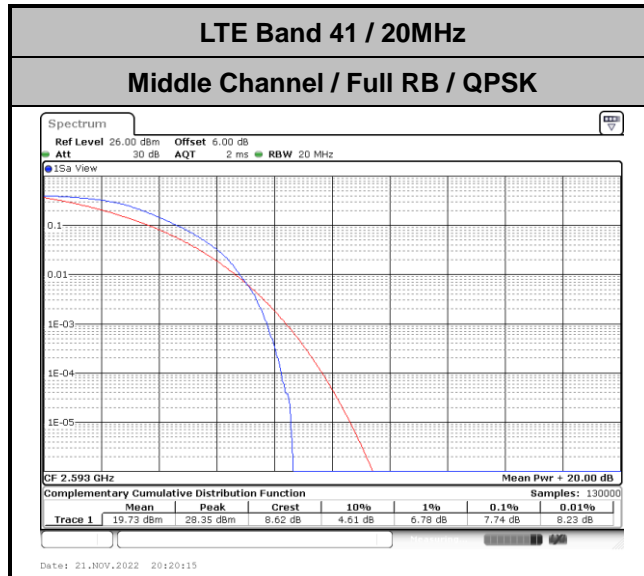
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

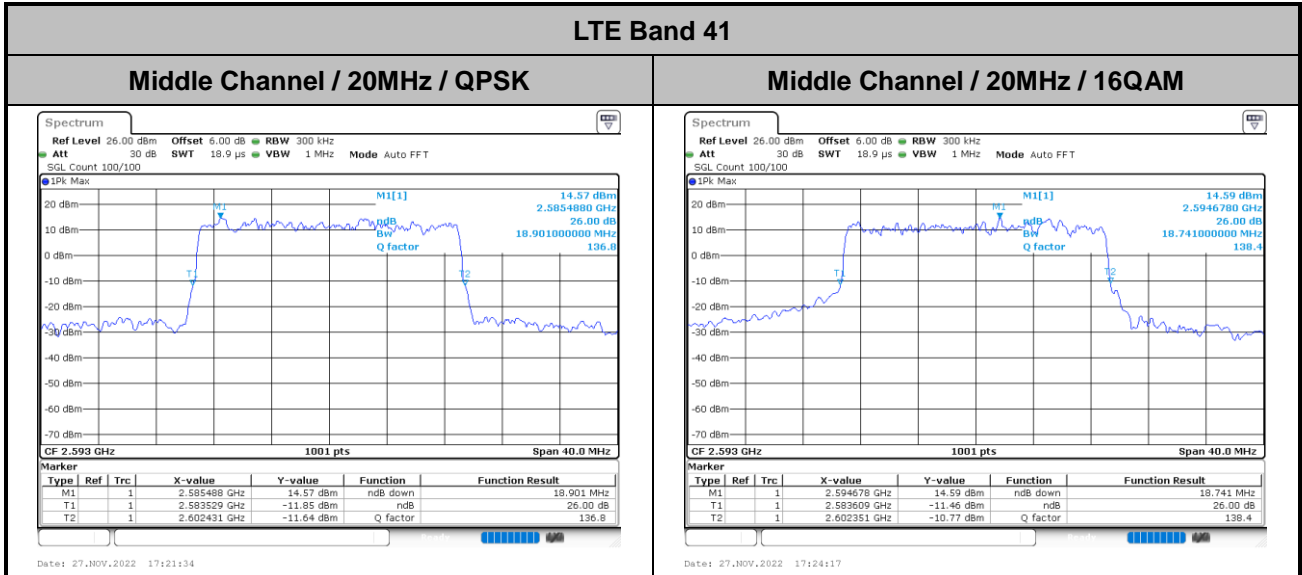
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	7.74	8.14	8.99	PASS





26dB Bandwidth

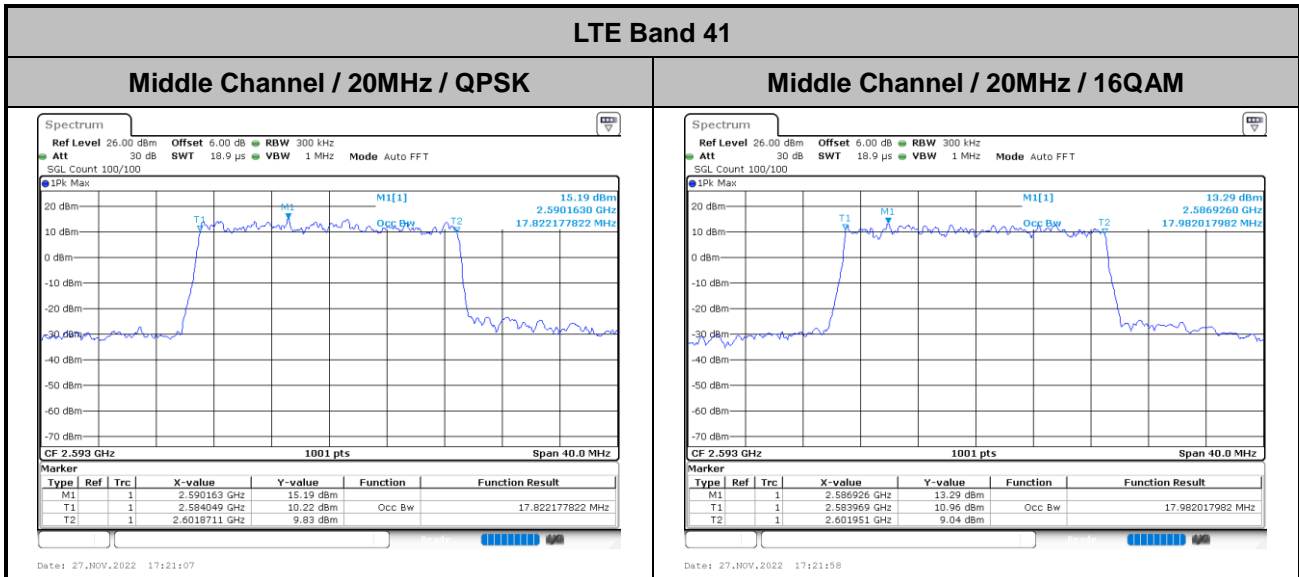
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	18.74





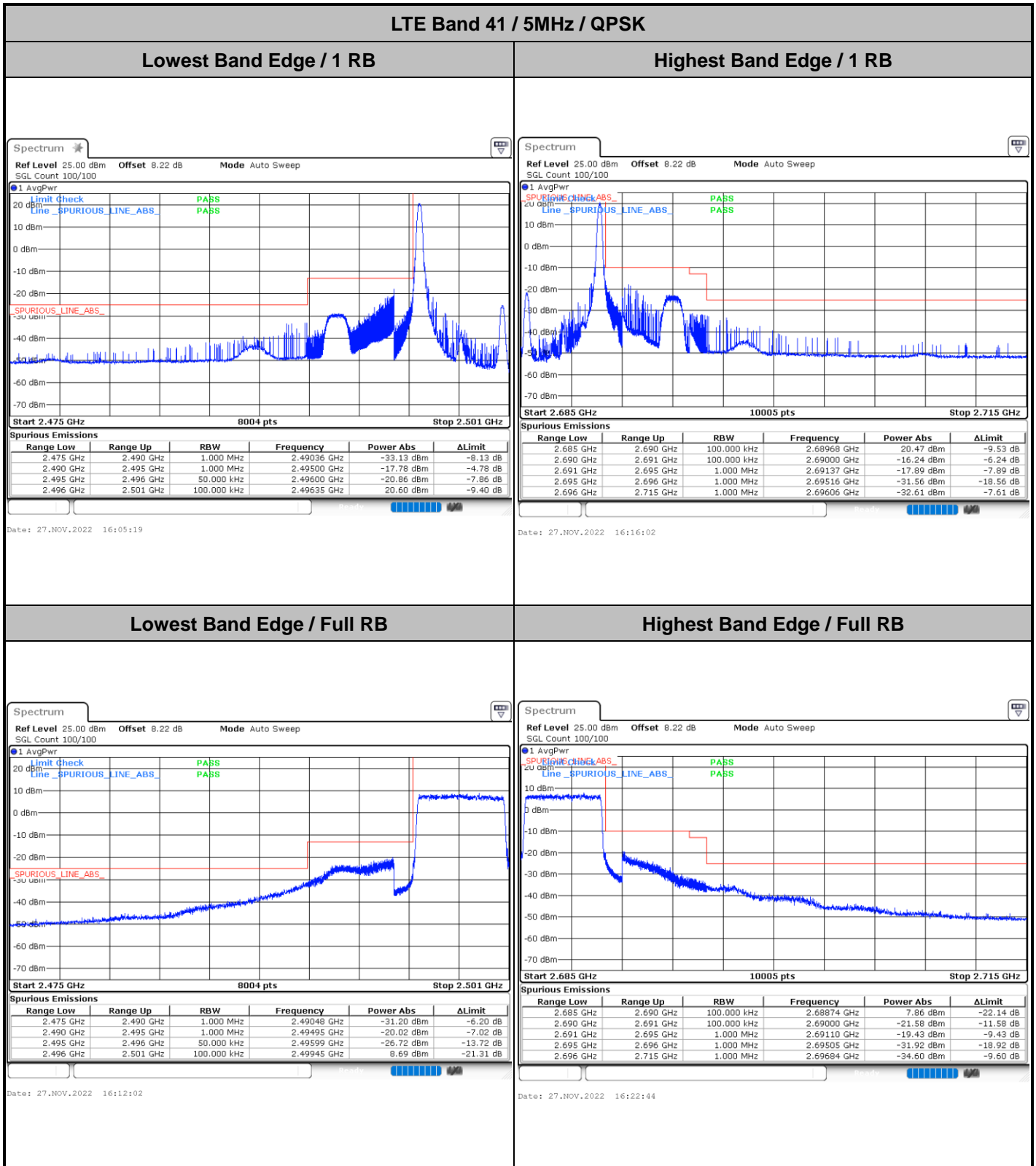
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.98





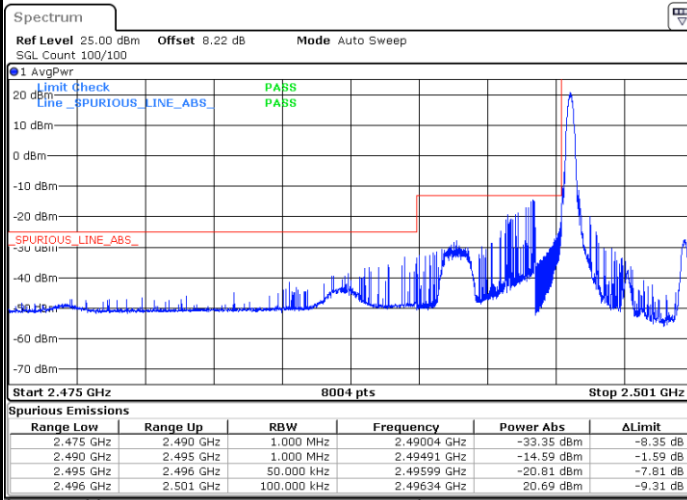
Conducted Band Edge





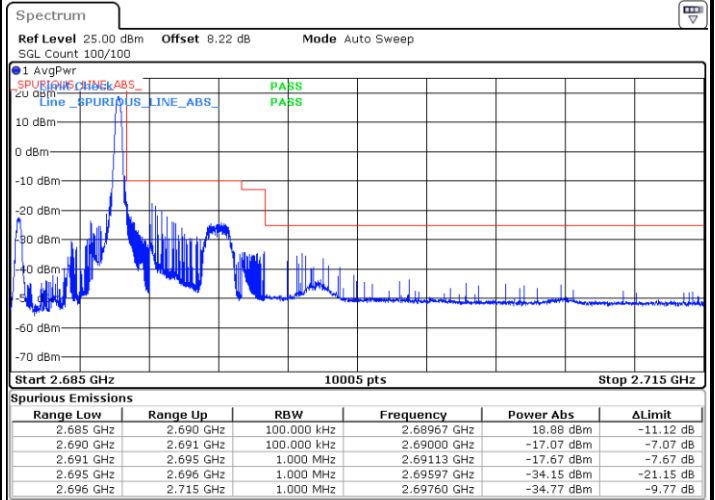
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



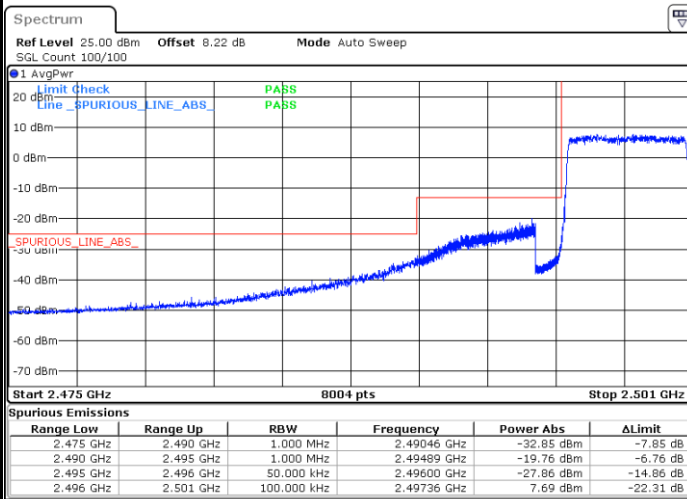
Date: 27.NOV.2022 17:20:15

Highest Band Edge / 1 RB



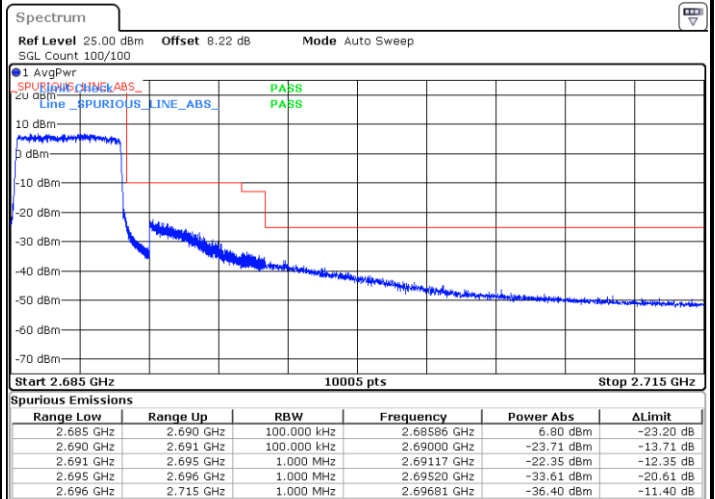
Date: 27.NOV.2022 16:17:23

Lowest Band Edge / Full RB



Date: 27.NOV.2022 16:10:41

Highest Band Edge / Full RB



Date: 27.NOV.2022 16:21:24